The Goodyear Tire & Rubber Company
Akron, Ohio 44316 - 0001

June 15, 2012

Ms. Catherine Brown
Remedial Project Manager
U.S. EPA Region 9
75 Hawthorne Street (SFD-8-2)
San Francisco, CA 94105

Mr. Travis Barnum
Environmental Project Manager
Arizona Department of Environmental Quality
1110 West Washington Street
Phoenix, AZ 85007

Subject: Transmittal of May 2012 Monthly Progress Report,
Phoenix-Goodyear Airport (PGA) South Superfund Site, Goodyear, Arizona

Dear Ms. Brown and Mr. Barnum:

Attached is the monthly progress report for May 2012 for the PGA South Site in Goodyear, Arizona. The Goodyear Tire & Rubber Company (GTRC) is submitting this report to fulfill the reporting requirements outlined in the Consent Decree.

If you have any questions, please feel free to call me at (330)796-7430.

Sincerely,

Jeff Sussman

Jeff Sussman
Project Manager

cc: N. Nesky, ITSI (electronic and hard copy)
J. Meitl, ADEQ (electronic only)
G. Bruck, USEPA (electronic only)
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J. Smith, BRG (electronic only)

TRC

TO: Catherine Brown, Remedial Project Manager
US Environmental Protection Agency (USEPA)
Travis Barnum, Remedial Project Manager
Arizona Department of Environmental Quality (ADEQ)

FROM: Jeff Sussman, Project Manager
The Goodyear Tire & Rubber Company (GTRC)

SUBJECT: May 2012 Monthly Progress Report
Phoenix-Goodyear Airport (PGA) South Site in Goodyear, Arizona

DATE: June 15, 2012

CURRENT ACTIVITIES

This monthly report describes the PGA South Site activities conducted during May 2012. Notable activities are described below or detailed in the sections that follow.

- Continued operation of the Subunit A and Subunit C treatment systems;
- Completed monthly sampling of City of Goodyear wells COG-11 and COG-20;
- Completed routine monthly sampling of Subunit A extraction wells E-07R, E-12, E-17 (NE-05 was not operational during sampling event due to mechanical issues);
- Completed evaluation, maintenance and rehabilitation on Subunit A extraction wells NE-03, NE-04 and NE-05 between May 2nd through May 9th. The work required temporary shutdown of the Subunit A treatment system (as outlined in the notification dated May 4, 2012) and as a result the Subunit A system only operated 24.7 of the 31 days in May.
- As a result of rehabilitation activities, NE-05 sustained irreparable damage and is no longer a viable extraction well. Subsequent activities at NE-05 will be presented in future reporting.
- Completed monthly gauging of Subunit A wells:

EMW-03	EMW-08R	GMW-04	GMW-07
EMW-04	EMW-10R	GMW-05	GP-01
EMW-07	GMW-03	GMW-06	GP-02

- Completed monthly gauging of Subunit C wells:

EMW-21UC	GMW-01	GMW-14UC	GMW-18UC	IO-101
EMW-22LC	GMW-02	GMW-15UC	GMW-19LC	IO-102
GAC-01	GMW-09MC	GMW-16UC	GMW-20LC	COG-05
GAC-03	GMW-13U	GMW-17UC	SB-08LC	

SYNOPSIS OF OPERATIONS

The groundwater extraction systems include a liquid phase carbon treatment system for the Subunit C plumes and a packed tower air stripper for the Subunit A plume. Detailed production and the mass removal rates associated with the two systems are presented in Table 1 (attached). Concentrations at the discharge locations of both systems were within permit limits for the month of May 2012.

Outstanding Issues/Resolutions There are no outstanding issues at this time.

City of Goodyear Production Wells COG-11 and COG-20

The table below details results of samples collected for the City of Goodyear production wells, including data from the past year.

TCE Concentration for City of Goodyear Wells (µg/L)		
Date	**COG-11**	**COG-20**
6/2/11	0.7	2.4
7/5/11	0.6	2.0
8/1/11	0.6	2.3
9/7/11	0.7	2.3
10/2/11	0.6	2.3
11/7/11	0.5	NS
12/7/11	0.7	0.6
1/4/12	0.5	ND<0.5
2/2/12	0.8	2.4
3/1/12	0.7	3.3
4/2/12	0.6	2.3
5/2/12	0.7	2.2

µg/L = micrograms per liter
ND = not detected below laboratory reporting limit

City of Goodyear wells COG-11 and COG-20 are peaking wells and are only operated as production wells on an as needed basis (based on demand).

GAC-04

Well GAC-04 did not operate in May. Operational data from the past year is detailed in the table below. GAC-04 was shut down on February 2, 2012 due to significantly worn bearings and unstable pump shaft operation. GAC-04 will remain offline pending completion of abandonment activities.

Date Sampled	Hours Pumped in Period	Gallons Pumped in Period (Mgal)	Cumulative Gallons Pumped (Mgal)	TCE (µg/L)	Total Chromium (mg/L)	Hexavalent Chromium (mg/L)
6/2/11	44.4	0.5	275.8	5.1	<0.010	<0.0050
7/2012 (1)	--	--	--	--	--	--
8/10/11(2)	319	4.2	280.0	57	18	<0.0050
9/2012 (3)	207	2.7	282.7	--	--	--
10/5/11	658.9	7.9	290.6	6.0	<0.010	<0.0050
11/7/11	382.3	4.6	295	4.2	<0.010	<0.0050
12/2011	--	--	--	--	--	--
1/25/12 (4)	178.1	2.1	297.1	16	<0.005	--
2/2012	40.7	0.49	297.5	7.5	5.7	--

(1) Sample not collected, GAC-04 not operating during the potentiometric surface study period.
(2) Monthly samples were collected 24 hrs after the start up and initiation of the rebound test. Detailed discussion of the rebound test is provided in the Technical Memorandum dated February 28, 2012.
(3) Sample not collected, GAC-04 not operating due to PLC program failure.
(4) Monthly samples were collected 24 hrs after the start up and initiation of the rebound test.

Notes:
Mgal = million gallons µg/L = micrograms per liter mg/L = milligrams per liter -- = not analyzed

Extraction Well E-101

In the event that production well GAC-02 is not available at the JRC Goodyear property, extraction well E-101 is available for temporary use in accordance with the contingency plan agreed to in the *Work Plan for Connection of Extraction Well E-101 to the Water Distribution System at the JRC Goodyear, LLC Property, Goodyear, Arizona,* dated December 8, 2006. Extraction well E-101 was not operated during the May 2012 reporting period.

With recent connection of the JRC Goodyear facility to the City of Goodyear Public Water distribution system, the future need for temporary use of water from extraction well E-101 by JRC Goodyear is unlikely. Therefore, this section will be dropped from future monthly reports.

Plans for June 2012

Plans for June 2012 include:

- Continued operation of the Subunit A and Subunit C treatment systems;
- Continued monthly sampling of City of Goodyear wells COG-11 and COG-20;
- Continued routine monthly sampling of Subunit A extraction wells E-07R, E-12, and E-17;
- Continued coordinated monthly water level gauging activities with PGAN and WA consultants;
- Preparation for abandonment of JRC Goodyear production wells GAC-04 and GAC-01.
- GTRC plans to meet with nearby property to discuss obtaining property access agreements for additional Subunit C northern plume delineation.

Attachments:
Table 1 - Production and Mass Removal Rates May 2012

PERFORMANCE MEASUREMENT TRACKING LOG

Project Manager Input Form
Annual Year 2012
May 2012

Administrative Information:

1. Main Site Code: 41-0000-02	**2.** Site Name: Phoenix Goodyear Airport – South
3. Project Manager: Catherine Brown (USEPA)	**4.** Funding Source: Responsible Party

Technical Information (include dates if applicable):

5. Water Samples Collected (ADEQ/EPA)	0	**6.** Water Samples Collected (PRP)	9
7. Soil/Soil Gas Samples Collected (ADEQ/EPA)	0	**8.** Soil/Soil Gas Samples Collected (PRP)	0
9. Groundwater Wells Installed (ADEQ/EPA) Date:_____	0	**10.** Groundwater Wells Installed (PRP) Date:_____	0
11. Soil Vapor Wells Installed (ADEQ/EPA) Date:_____	0	**12.** Soil Vapor Wells Installed (PRP) Date:_____	0
13. Gallons Water Treated -- (VOCs) in millions	Subunit A: 13.4 Subunit C: 9.8	**14.** Hazardous Substances Removed -- (VOCs) in pounds	4.7
15. Gallons Water Treated -- (Metals) in millions	0	**16.** Hazardous Substances Removed -- (Metals) in pounds	0
17. Gallons Water Treated -- (Other) in millions	0	**18.** Hazardous Substances Removed -- (Other) in pounds	0
19. Tons Soil Treated On-Site	0	**20.** Tons Soil Taken Off-Site	0
21. Regulatory Site Visits	0	**22.** Project Completion Date	Ongoing

TRC

Community Involvement Information (include dates if applicable):

23. Public Meetings Held Date: May 3, 2012	1	**24.** Fact Sheets for Site Date:_____	0

Comments:

Notes:

ADEQ = Arizona Department of Environmental Quality
EPA = Environmental Protection Agency
PRP = Potentially Responsible Party
VOCs = volatile organic hydrocarbons

Table 1

Table 1

Production and Mass Removal - May 2012

PGA South Superfund Remediation Site, Goodyear, Arizona

Subunit A Groundwater Treatment System (Air Stripper)

	Total (Mgal)	Days Online	Average Flow Rate (GPM)	Date Sampled	Influent TCE (µ/L)	Effluent TCE (µ/L)	Effluent Cr (µ/L)	Estimated TCE Mass Removed[1] (lbs)	Cumulative TCE Mass Removed (lbs)	Comments
Groundwater Extraction	13.4	24.7	300	5/11/12	40	<0.5	54	4.47	5,560.1	
Groundwater Injection	13.0	24.7	291							

Subunit C Groundwater Treatment System (Carbon)

Well ID	Plume Location	Extraction (Mgal)	Injection (Mgal)	Days Online	Average Flow Rate (GPM)	Date Sampled	Influent TCE (µ/L)	Effluent TCE[3] (µ/L)	Estimated TCE Mass Removed (lbs)	Cumulative TCE Mass Removed (lbs)	Comments
E-101[2]	Northern	--		--	--	--	--		0	65.7	
E-102		9.8		31	220	5/2/12	3.0		0.25		Sample collected quarterly.
E-201	Southern	--		--	--	--	--	--	0	171.9	
E-202		--		--	--						
E-203		--		--	--						
Groundwater Extraction (Total)		**9.8**		**31**	**226**	**5/2/12**	**3.1**	**<0.5**	**0.25**	**237.6**	Groundwater treatment system samples collected monthly.
I-201	Southern		3.6	31	81						
I-202			2.1	31	47						
I-203			4.0	31	90						
Groundwater Injection (Total)			**9.7**	**31**	**217**						

March 2012 TCE Mass Removal, Subunit A and C Plumes, lbs =	4.7
Cumulative TCE Mass Removal, Subunit A and C Plumes, lbs =	5,798

Mgal = million gallons
GPM = gallons per minute
mg/l = milligrams per liter
lbs = pounds

µg/L = micrograms per liter
TCE = trichloroethene
Cr = chromium

[1] Incremental mass removed from extraction well GAC-04 (if operational, plummed into Subunit A) is included in this calculation.

[2] Extraction well E-101 is available as a backup in the event of failure of the JRC Goodyear production well (GAC-02), in accordance with the *Work Plan for Connection of Extraction Well E-101 to the Water Distribution System at the JRC Goodyear, LLC Property, Goodyear, Arizona* dated June 2007 by LATA.

[3] Effluent sample was collected from the midpont of the lead and lag carbon vessel.